

Group: C A C A

FIG. 1

CVHAS	MGKNIIIM VSWYTIITS	-NL IAVGGASLIT APAITGTVLH 39)
seHAS	MORT VALLET	V VAFSIFWVLE IMVNV 25	,
spHAS	VPIFKKTLI	V LSFIFLISIT I LNM 25	j.
huHAS	MHCERFICIL RIIGTTL	FGVSLE LGITAAMIVG 33	3
xlHAS	MK-EKAAETM EIPEGIPKDL EPKHPTL	WRI IYYSFGVVLI ATITAAYVAE 49)
XINAS			
CVHAS	WNIALSTI WGVSATGIFV FGFFLAQ	VLF SELNRKRLRK WISLRPKGWN 87	7
seHAS	VLFGAKGSLSINGFLL IAYLLVK	MSL SFF-YKPFKG RAGQY 65	5
	VLFGT-STVGINGVIL ITYLVIK	LGL SFL-YEPFKG NPHDY 64	l
spHAS huHAS	VORTOTONYY FSFGLYGAFL ASHLIIO	SLF AFLEHRKMKK SLETPIKL 81	L
xlHAS	FOVLKHEAIL FSLGLYGLAM LLHLMMO	SLF AFLEIRRVNK S-ELPCSF 96	5
XIIINO			
CVHAS	DVRIAVITAG KREDPYMFQK CHENVRD	SDN GNVA-RLICW IDGDEDDDMR 136	
seHAS	KVALTERS WNEDAESLLE TEKSVOO	OTE PLAEIYVE DOGSADETGI 111	L
spHAS	VVANGEDS WNEDAESLLE TIKEVLA	OTM PLSEIYIM DOGSSNTDAI 110)
huHAS	NKTVELCHAA POEDPDYLRK CLOSVKR	LTM PGIKVVMW IDGNSEDDLY 129	
xlHAS	KKTVALTEAG YOENPEYLIK CEESCKY	VK PKDKLKIILY IDGNTEDDAY 146	5
ATIMO			
CVHAS	MAAVYKAIYN DNIK	KPEFV LCESDDKEGE 165	5
seHAS	KRIEDYVRD	TGDLSSNVIV HRSEKNQGKR 140)
spHAS	OL IEEYVNR	EVDICRNVIV HRSLVNKGKR 139	9
huHAS	MMDIFSEVMG RDKSATYIWK NNFHE-K	GPG ETDESHKESS 168	
xlHAS	MMEMFKDVFH GEDVGTYVWK GNYHTVK	KPE ETNKGSCPEV SKPLNEDEGI 196	5
ATIMO			
CVHAS	RIDSDFS RDICVLOPHR GKRECLY	TGE QLAKMDPSVN AVVLI DSDT V 212	_
seHAS		AN ERSDADV- FLTV-DSDMY 163	
spHAS	UN	A對 ERSDADV- FLTV-DSD型Y 162	
huHAS	OHUTOLVISN KSICIMÖKWG GKREVMY	TAE RALGRSVD YVQVCDSDIM 216	
xlHAS	NMVEELVRNK RCVCIMQQWG GKREVMY	TAF QAIGTSVD YVQVCDSDIK 244	4
CVHAS	LEKDAILEVV YPLACDPEIQ AVAGECH	CIWN T-DTLLSLLV AWRYYSAECV 261	
seHAS	IYPDALEELL KTFNDPTVFA ATG-HLN	IVRN ROTNLLTRLT DIREDNAFGV 212	
spHAS	IYPNALEELL KSFNDETVYA ATG-HLM	IARN ROTNLLTRLT DIRYDNAEGV 211	
huHAS	LDPASSVEMV KVLEEDPMVG GVGGDVC	OILN KYDSWISFLS SVRYWMAFNI 266	
xlhAS	LDELATVEMV KVLESNDMYG AVGGDVF	RILN PYDSFISFMS SLRYWMAE'NV 294	4
		KEIK DPWISÖRELE OKCTYEDDER 311	1
CVHAS	ERSAGSFFRT VOCVGGPLGA KIDIII ERAAGSVTGN ILVCSGPLSV KREVVV	PNI DRYINOTELG IPVSIGDORC 262	
seHAS	ERAAOSUTGN ILVCSGPISV KRREVV ERAAOSLTGN ILVCSGPISI KRREVII	PNI ERYKNOTELG LPVSIGDDRC 261	
spHAS	ERACOSYFGC VQCISGPIGM XRNSLLI	HEFV EDWYNOEFMG NOCSFGDDRH 316	
huHAS	ERACOSYFIC VSCISOPIGM ERNNILO	OVEL EAWYROKELE TYCTLEDORH 344	
xlHAS	ERACOSTIDO VSCISGERGA INMILA	ZVID DIVILIANCE TO THE PROPERTY OF THE PROPERT	-
	ETNEILMRÖK KVVFTPFAVG WSDSETT	NVFR YIV QQTRWSK SWCREIWYTL 361	1
CVHAS	LTNYATOLG- KTVYQSTAKC ITDVPDI	MST YLKOONRWNK SFFRESIISV 311	1
seHAS	LTNYAIDLG- RTVYQSTARC DTDVFF	OLKS YLKOONRWNK SFFRESIISV 310	0
spHAS huHAS	LINRVLSLCY ATKYTARSKC LIETPI	KMST YLKOONRWNK SFFRESIISV 311 PLKS YLKOONRWNK SFFRESIISV 310 PYLR WLNOOTRWSK SYFREWLYNA 360	6
xlHAS	LTNRVLSMGY RTKYTHKSRA FSETESI	LYLR WLNOOTRWTK SYFREWLYNA 394	4
XIIIAS			
CVHAS	FAAWKHGLSG IWLAFECLYQ ITYFFL	VIYL FSRLAVEADP RAQTATVIVS 411	
seHAS	KKIMNNPFVA LÄTILEVSMF MMLVYS	VVDF FVGNVREFDW LRVLAFLVII 361	
spHAS	KKILSNPIVA LÄTIFËVVMF MMLIVA	IGNL LFNQAIQLDL IKLFAFLSII 360	
huHAS	MWFHKHH LWMTYEAIIT GFFPFF	LIAT VIQLFYRGKI WNILLFLLTV 413	
xlHAS	QWWHKHH IMMTYESVVS FIFPFF	ITAT VIRLIYAGTI WNVVWLLLCI 441	1
	···		_
CVHAS	TTVATIKCGY FSFRAKDIRA FYFV-L	TTFV YFFCMIPARI TAMMTLWDIG 460	
seHAS	FIVA CRNIH YMLKHPLS FLLSPF	GVL HLFVLOPIKL YSLFTIRNAD 409	
spHAS	FIVALCRNVH YMVKHPAS FLLSPL	GIL HLFVLOPLKL YSLCTIKNTE 408	8 a
huHAS	QLVG IKSS- FASCLRGNIV MVFMSL	SVL YMSSLLPAKM FAIATINKAG 463	
xlHAS	QIMSTEKSI- YACWLRGNFI MLLMSL	SML YMTGLLESKY FALLELNKTG 490	U
	W W W W W W W W W W W W W W W W W W W	YMWW AAVVGAGVYS IVHNWMFDWN 510	Λ
CVHAS	DORGGNERP SVGTRVALWA KQYLIA	YMWW AAVVGAGVYS IVHNWMFDWN 510	
seHAS	GIRKK L		
spHAS	WGTRKK V	SVWF TILLGGVIFT IYKESKRPFS 50	
huHAS	WGTSGRAT IVVNFIGLIPV WGTSGRAK IVGNYMPILPL	SVWF TILLGGVIFT TIKESKRPFS 50: SIWA AVLCGGVGYS IYMDCONDWS 53:	
xlHAS	MGTSGKK IAGNAWAT TAL	SIMM WARCAGARIS TIMPCAMPAS 33.	,
	SLSYR FALVGIC-SY IVFIVI	VLVV YFTGKITTWN FTKLOKELIE 55	4
CVHAS	ES-KQTVLIV GTLLYACYWVM	LITL YVVLINK CGRRKKGOOY 54	
huHAS	TPEKOKEMYHLLYGCVGY VMYWVI	MAVM YWVWVKR CCR-KRSOTV 57	
xlHAS	TPEKOKEMYHLLIGCVGI VMIWVI	MAN INAMANN CCK-WOOTA 21	•
	DOUG VONTON ACCUA	56	68
CVHAS	DRVLYDATTN AQSV* DMVLDV*	55	
huHAS	TLVHDI PDMCV*	58	
xlHAS	INAU DI EDIZOA		
	•		

FIG. 2

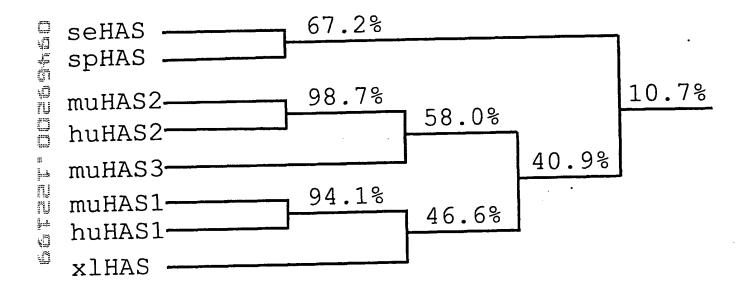


FIG. 3

SIZE DISTRIBUTION OF HYALURONAN PRODUCED BY DIFFERENT ENGINEERED STREPTOCOCCAL HAS ENZYMES

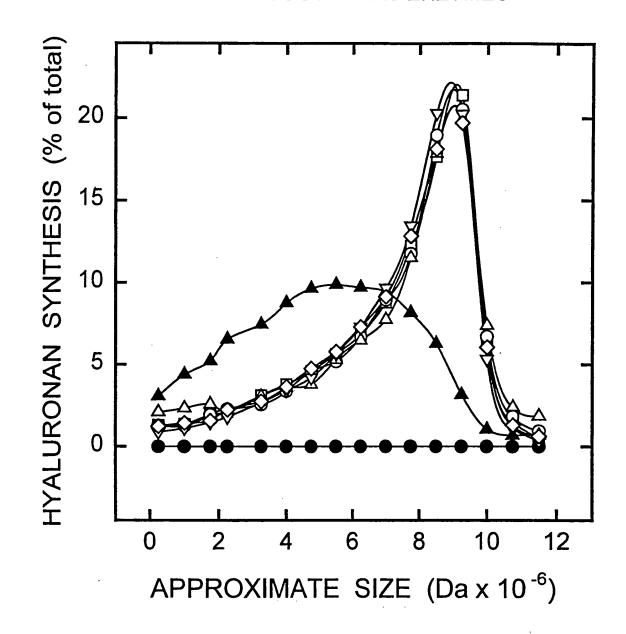


FIG. 4

CAPVE

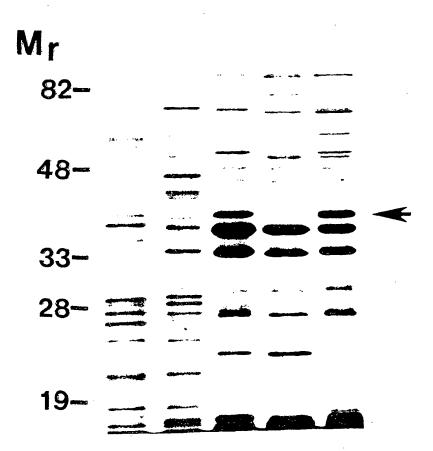


FIG. 5

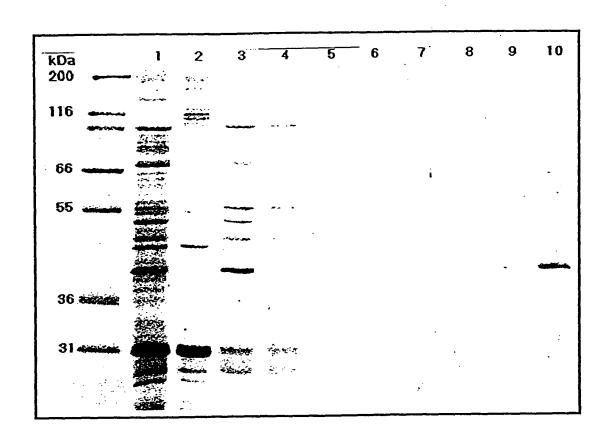


FIG. 6

FIG. 7

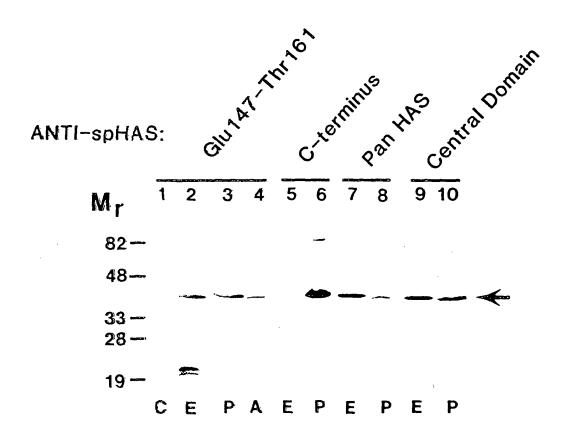


FIG. 8

FIG. 9

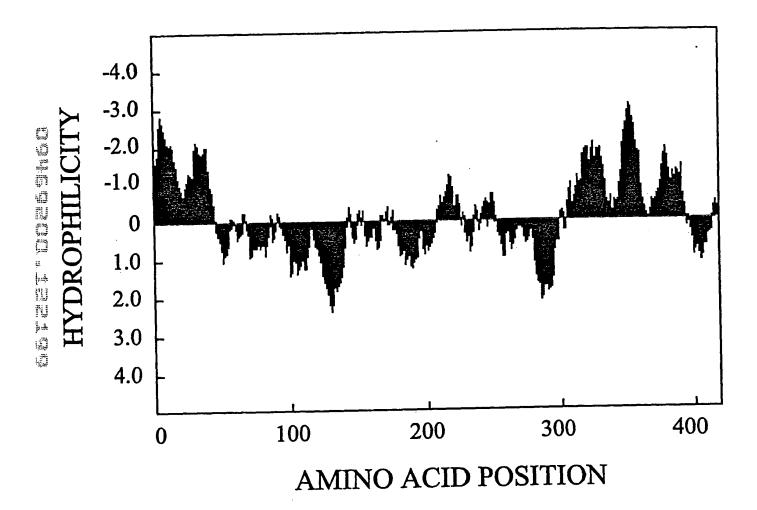


FIG. 10

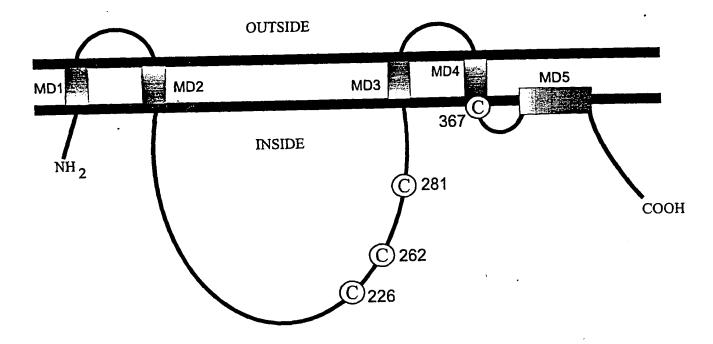


FIG. 11

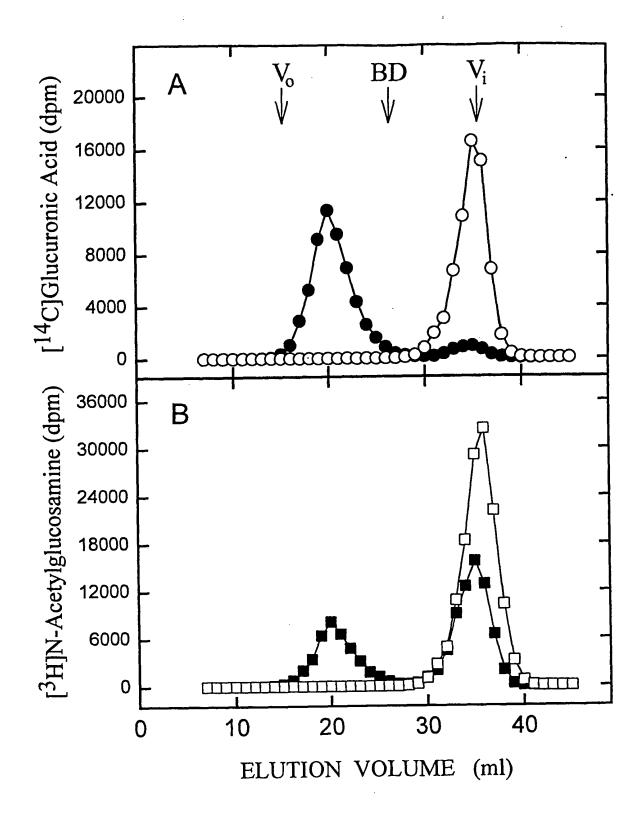


FIG. 12

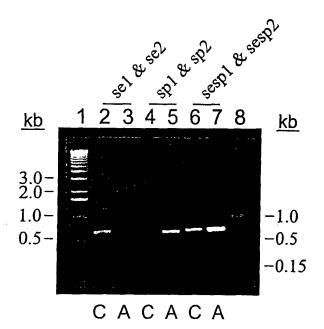


FIG. 13